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CYSTOSCOPIC KIT

PART NUMBER MILGUDI-1

OPERATION AND MAINTENANCE MANUAL

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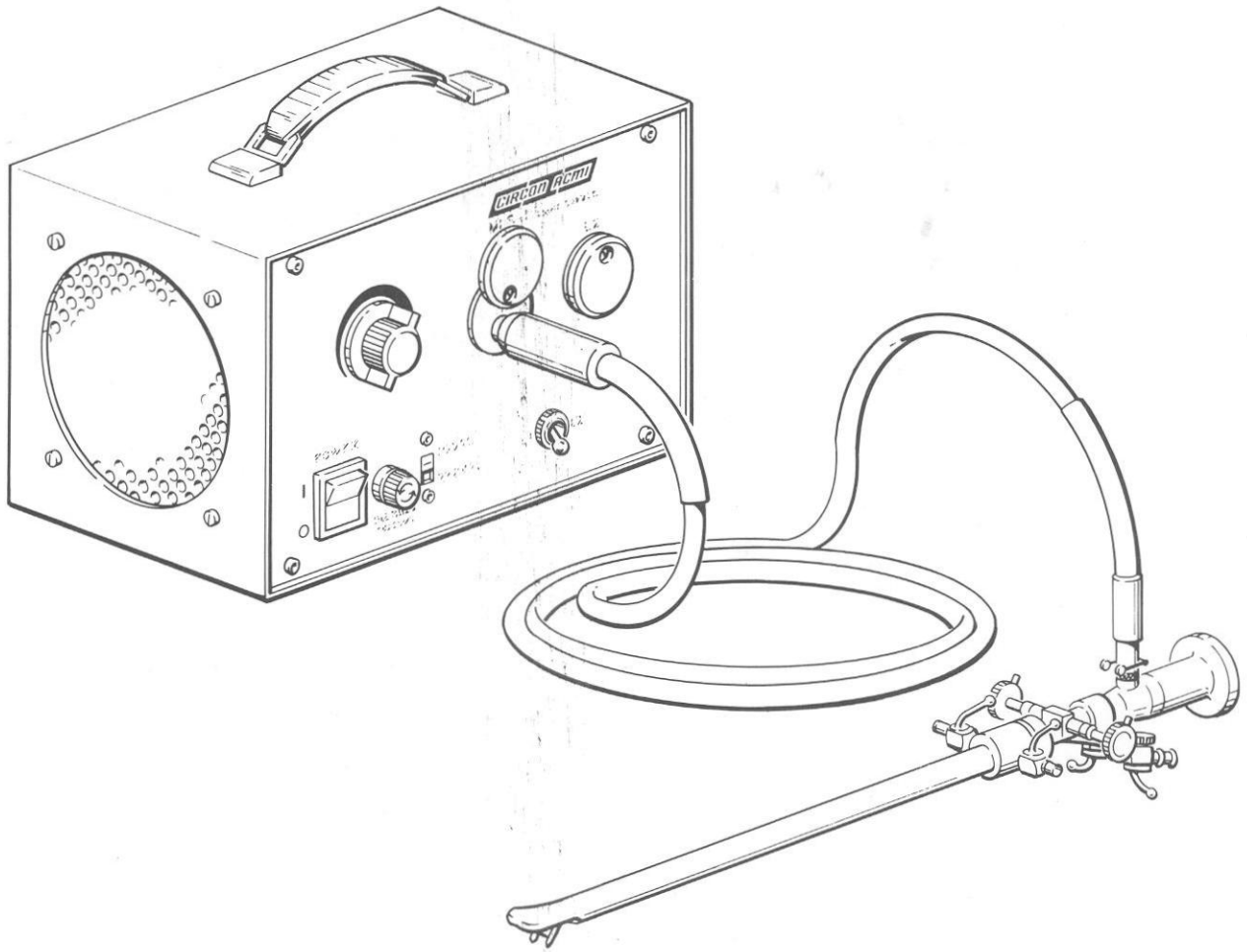

CIRCON ACMI

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SAFETY SUMMARY

The following are general safety precautions that are not related to any specific procedures and therefore do not appear elsewhere in this publication. These are recommended precautions that personnel must understand and apply during many phases of operation and maintenance of urological endoscopic instruments and accessories.

WARNING

This equipment uses alternating current voltages of 120 volts, AC, or more. In order for you to properly use this equipment and avoid injury to yourself due to improper use, the following safety procedures should be followed:

- Disconnect the unit from the power source when servicing the unit.
- Discharge all terminals prior to servicing unit.
- When in use, avoid all energized components and do not contact any electrical terminals.
- Use the equipment only in its intended manner of use.

Procedures with endoscopic instruments should be performed only by persons with adequate training and preparation. Consult the general medical literature regarding techniques, complications and hazards prior to any endoscopic procedure.

Thoroughly know the specific endoscopic instruments being used. Each instrument is different in the nuances of motion and feel. Such knowledge is essential to avoid misuse of the equipment which could result in potential injury to the patient, the operator and the instruments.

Consult the operating manuals for light sources, electrosurgical units and other ancillary devices for appropriate instructions and cautions prior to their use with endoscopic instruments. When endoscopic instruments and accessories from different manufacturers are used together, verify that any insolation or grounding instructions are followed.

Thoroughly understand the nature and use of radio frequency (RF) currents before performing endoscopic electrosurgical procedures. This understanding is essential to avoid misuse of the equipment which could result in potential injury to both patient and operator, and damage to instruments.

If a larger than normal electrosurgical unit power setting is required during any endoscopic electrosurgical procedure, stop. Increase power setting only after all instruments, connections, cables and patient contacts have been checked and found to be in operating condition. Increase power settings in small increments, checking the change in effect after each increase.

Avoid using conductive tubing with endoscopic instruments. Use of conductive tubing or improper use of the endoscopic instruments may increase the risk of injury due to such misuse or improper use, particularly during endoscopic electrosurgical procedures.

Use surgical gloves designated by their manufacturers for endoscopic electrosurgical procedures. The use of improper gloves could result in injury to the operator.

Follow the labeling instructions regarding the disposal or reuse of endoscopic instrument accessories after each procedure. The stresses applied to some instruments during a procedure cannot be assessed; and reuse of such instruments could compromise patient safety.

During endoscopic electrosurgical procedures, prevent small conductive areas such as stopcock handles from touching the patient. The current density of normal RF leakage currents can be sufficient to burn when the contact area is very small.

Use only those lubricants and replacement parts specified in the labeling. The use of other items can compromise patient and operator safety.

Prior to each use, the cystoscopic electrode and its insulating tube should be examined for splits, cracks, holes, burn marks or any other imperfections.

The telescope is a precision optical device and should be handled with care. Avoid mechanical shock such as will occur if the instrument is dropped, or if another object strikes it.

When using cystoscopic electrodes, follow the electrical precautions for metal cystourethroscopes. The electrode insulation must be kept in view at all times so that electrical contact between the tip of the electrode and the metal parts of the endoscope is prevented.

CAUTION

Study this manual and other accompanying labeling carefully and thoroughly before handling endoscopic instruments or accessories. Retain in a convenient, readily accessible place for reference when needed.

Endoscopic instruments should be handled with care by informed personnel completely familiar with their assembly, operation and disassembly. They are precision instruments which can be damaged by misuse or abuse.

Perform the prescribed inspections and operational tests prior to first use, and regularly thereafter to assure continued satisfactory performance.

Clean endoscopic instruments thoroughly prior to disinfection or sterilization processes. Use warm water only. Hot water can alter organic material making it difficult to remove. Do not disassemble instruments beyond that described in the labeling. Do not use ultrasonic cleaners which can damage precision joints and seals.

Follow disinfectant or sterilizer manufacturer's recommended procedures and cautions to avoid patient hazards and instrument damage.

Do not autoclave endoscopic instruments or accessories unless this modality is specifically cited as permissable in the labeling.

Follow the labeling instructions for the safe handling and storage of endoscopic instruments. Improper storage can damage instruments.

Be sure to store bridges with storage stylet in place at all times, especially when bridge is laid on the O. R. instrument table.

Always remove the bridge and telescope together when removing from the sheath. This will help prevent damage to the telescope guide tube of the bridge.

When cleaning bridges, always insert cleaning brush through the telescope lock opening; never through the distal end.

When using the bridges, always hold them at their proximal end, particularly during cleaning.

Do not loosen or remove the telescope eyepiece at its proximal end as this can break the seal causing leakage.

Telescope should be maintained separate from other instruments during storage, cleaning, disinfecting, etc. Grouping of these telescopes with other instruments during storage, cleaning, or disinfecting increases the risk of damage to the telescope.

When the telescope is not in use, protect the distal end with a rubber tip (supplied) or plastic tube.

Do not autoclave telescopes, or cystoscopic electrodes.

Do not clean components in ultrasonic bath.

INTRODUCTION

This manual contains operating and maintenance information applicable to the Cystoscopic Kit, manufactured by CIRCON ACMI, Stamford, Connecticut.

This manual is divided into seven (7) sections as follows:

Section 1 – General Information

Section 2 – Preparation for Use and Reshipment

Section 3 – Operation

Section 4 – Theory of Operation

Section 5 – Maintenance

Section 6 – Storage

Section 7 – Maintenance Parts List

SECTION 1
GENERAL INFORMATION

1.0 INTRODUCTION. The following list is a summary of the contents provided in section 1.

a. A brief description and purpose of the Cystoscopic Kit.

b. A listing of the equipment supplied with the Cystoscopic Kit.

c. A listing of the technical specifications for the Cystoscopic Kit.

d. A listing of the equipment required but not supplied for the Cystoscopic Kit.

e. A listing of technical manuals required to support the Cystoscopic Kit.

1.1 DESCRIPTION AND PURPOSE. The Cystoscopic Kit (see figure 1-1) is a self-contained urological kit designed for performing standard cystoscopic procedures in a field environment. The Cystoscopic Kit major components include four telescopes for examining purposes, a full complement of cystourethroscope instruments, and the dual fiber optic MLS-1 Light Source (refer to table 1-1). The Cystoscopic Kit components are contained in a carrying case along with the MILGUDI-2 urological accessories kit and six spare lamps for the dual fiber optic MLS-1 Light Source. Consult the operating and maintenance manuals for the dual fiber optic MLS-1 Light Source, electrosurgical units and other ancillary devices for instructions and cautions of endoscopic instruments.

1.2 TECHNICAL SPECIFICATIONS. Table 1-2 lists the technical specifications for the Cystoscopic Kit.

1.3 EQUIPMENT REQUIRED BUT NOT SUPPLIED. Table 1-3 lists the equipment required for operation and maintenance of the Cystoscopic Kit but not supplied.

1.4 RELATED TECHNICAL MANUALS. Table 1-4 lists the technical manuals required to support the Cystoscopic Kit.

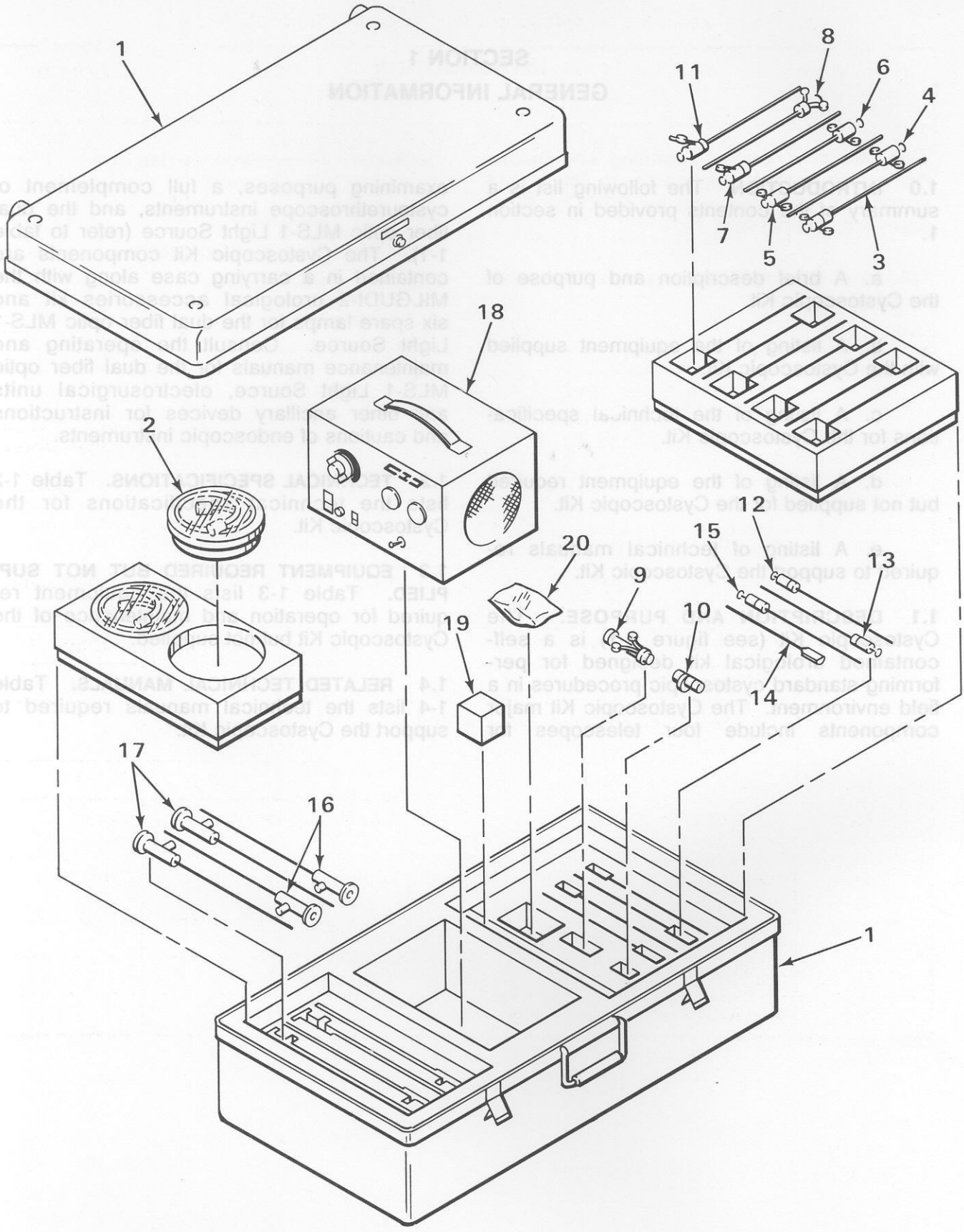


Figure 1-1. Cystoscopic Kit

Table 1-1. Cystoscopic Kit Equipment Supplied

FIGURE 1-1 INDEX NO.	DESCRIPTION	COLOR CODE
1	ACM-90 Carrying Case with High Impact Styrofoam Inserts	
2	G91 Fiberoptic Light Bundle, 3mm x 72 inches (Clip-on: Autoclavable)	
3	G117 Sheath and Obturator, 17 Fr	Red
4	G121 Sheath and Obturator, 21 Fr	Orange
5	G123 Sheath and Obturator, 23 Fr	Yellow
6	G125 Sheath and Obturator, 25 Fr	Green
7	G151 Double Catheterizing Albarran Bridge for 20 Fr and 21 Fr Sheaths with Storage Stylet	Orange
8	G152 Double Catheterizing Albarran Bridge for 22 through 25 Fr Sheaths with DC Fin (G162) and Storage Stylet	Yellow/Green
9	G153 Short Bridge for 17 through 25 Fr Sheaths	
10	G154 Examining Bridge for 17 through 25 Fr Sheaths	
11	G155 Operating Albarran Bridge for 22 through 25 Fr Sheaths with Storage Stylet	Yellow/Green
12	G161 Visual Obturator, 21 Fr	Orange
13	G163 Visual Obturator, 23 Fr	Yellow
14	G164 Stationary Deflector for G153 (only to be used with 23 through 25 Fr Sheaths)	
15	G165 Visual Obturator, 25 Fr	Green
16	FO-8168M Microlens Foroblique Telescope, 30 degree Angle of View	Black
17	FO-8168L Microlens Lateral Telescope, 70 degree Angle of View	Blue
18	MLS-1 Light Source	
19	Routine Lamp, 150 Watts/21 Volts (Replacement lamps)	
20	MILGUDI-2 Urological Accessories Kit	

Table 1-2. Technical Specifications

FUNCTION	CHARACTERISTIC
Input Power MLS-1	115/230V + 10%, 3 wire, 50-400 Hz (Refer to MLS-1 Light Source manual, Publication No. 99-0216, for additional information)
Carrying Case	
Height	10 inches
Length	43.75 inches
Width	17.75 inches
Weight (full)	45 pounds

Table 1-3. Equipment Required But Not Supplied

PART NUMBER	NOMENCLATURE	USE
–	70% Isoprophyl Alcohol	Cleaning
–	Protein Bound Soap	Cleaning
–	2% Activated Gluteraldehyde (Alkaline)	Disinfection
–	Ethylene Oxide Sterilizer	Sterilization

Table 1-4. Related Technical Manuals

PUBLICATION NUMBER	TITLE
PUBL 99-0216	MLS-1 Light Source, Operation and Maintenance Manual

SECTION 2
PREPARATION FOR USE AND RESHIPMENT

2.0 INTRODUCTION. The following paragraphs provide the information required for the preparation for use and reshipment of the Cystoscopic Kit.

2.1 UNPACKING AND INITIAL INSPECTION.

CAUTION

To avoid damage to the equipment from improper handling, study the operating and maintenance manual thoroughly before handling any of the instruments.

a. Unlatch four latches and remove carrying case cover from carrying case base.

b. Remove components from carrying case base and verify contents against packing list. Notify *CIRCON ACMI* sales representative or customer service of any discrepancy immediately.

c. Visually examine the carrying case, instruments and accessories for signs of shipping damage. Any breakage or other apparent damage should be noted and the carrier or shipping agency contacted.

2.2 OPERATIONAL INSPECTION AND TESTS. Inspect all components prior to first use and before performing a procedure.

WARNING

Do not use telescope if vision remains distorted or cloudy after cleaning.

a. Examine the telescope for optical quality. If vision is distorted or cloudy, clean outside of proximal and distal with a cotton applicator saturated with 70% isoprophyl alcohol. Do not wipe the lettering on the telescope eyepiece with alcohol.

b. Check for proper alignment of telescope in sheath. The sheath may be partially visible in the telescope field when in air, but not in water.

c. Visually inspect the entire surfaces of the sheaths and obturators for dents, protrusions or other irregularities. Pass entire shaft through hand checking for any irregularities or sharpness.

d. Ensure that all rotating collar locks fasten telescope or bridges securely.

e. Open and close stopcocks several times to ensure smooth operation.

f. Check deflecting action of Albarran or Cawood bridges for smooth operation. Be sure the shaft does not appear to be bent.

g. Store components as described in section 6.

2.3 RESHIPMENT. Packaging is required when sending equipment or components to *CIRCON ACMI* for repairs. The Cystoscopic Kit is shipped in the carrying case supplied with the equipment. Components returned for repairs should first be placed in a moisture-proof bag and sealed. The item should be cushioned with a shock-absorbent material (such as styrofoam or foam rubber) and enclosed in a snug fitting carton or box. A description of the damage or discrepancies should be included.

SECTION 3
OPERATION

3.0 INTRODUCTION. The following paragraphs provide the information required for the operation of the Cystoscopic Kit.

3.1 INSTRUMENT PREPARATION.

a. Perform operational inspection and tests in accordance with paragraph 2.2.

b. Assemble the instruments as needed for the required procedure (refer to paragraphs 3.2 through 3.7).

3.2 COLOR CODING. The cystourethroscope sheaths are color coded for identification purposes.

NOMINAL FRENCH SIZE	COLOR
17	Red
21	Orange
23	Yellow
25	Green

3.3 TELESCOPE BRIDGE LOCK. (See figure 3-1.)

a. Remove storage stylet (1) from bridge (2).

b. Insert telescope (3) into bridge. Ensure telescope guide pin (4) and rotating collar (5) of bridge are both facing upward. Seat telescope into bridge.

CAUTION

Collar must be firmly locked or the telescope may loosen during procedures.

c. Rotate collar clockwise until telescope is firmly locked.

d. Always insert telescope into bridge before inserting in sheath.

e. If telescope is difficult to slide into bridge, place a small amount of silicone lubricant (part number G925) on seal (6).

3.4 SHEATH LOCK. (See figure 3-2.)

a. Assemble telescope and bridge as described in paragraph 3.3.

b. Remove obturator (1) from sheath (2).

c. Insert assembled telescope/bridge (3) into sheath. Ensure key pins (4) on bridge are properly aligned with sheath lock slots (5).

CAUTION

Collar must be firmly locked or the telescope/bridge may loosen during procedures.

d. After bridge is firmly seated into sheath, turn rotating collar (6) clockwise until firmly secured in place.

3.5 DISASSEMBLY/ASSEMBLY OF DOUBLE CATHETERIZING FIN.

a. Disassemble the double catheterizing fin (see figure 3-3) as follows:

1. Hold base of bridge (1) in one hand with stopcocks facing upward. With the other hand, place a fingernail in slot (2) on fin vertical wall (3) and slide fin away from base of bridge.

2. Remove storage stylet (4).

CAUTION

Be careful not to bend the fin clips.

3. Twist the fin gently to disengage the fin clips (5) from the guide wire tubes (6).

b. Assemble the double catheterizing fin (see figure 3-4) as follows:

1. Slide the proximal end of fin (1) into head of bridge (2). Note thin groove (3) in head of bridge into which fin must be inserted. Ensure fin is properly seated into bridge.

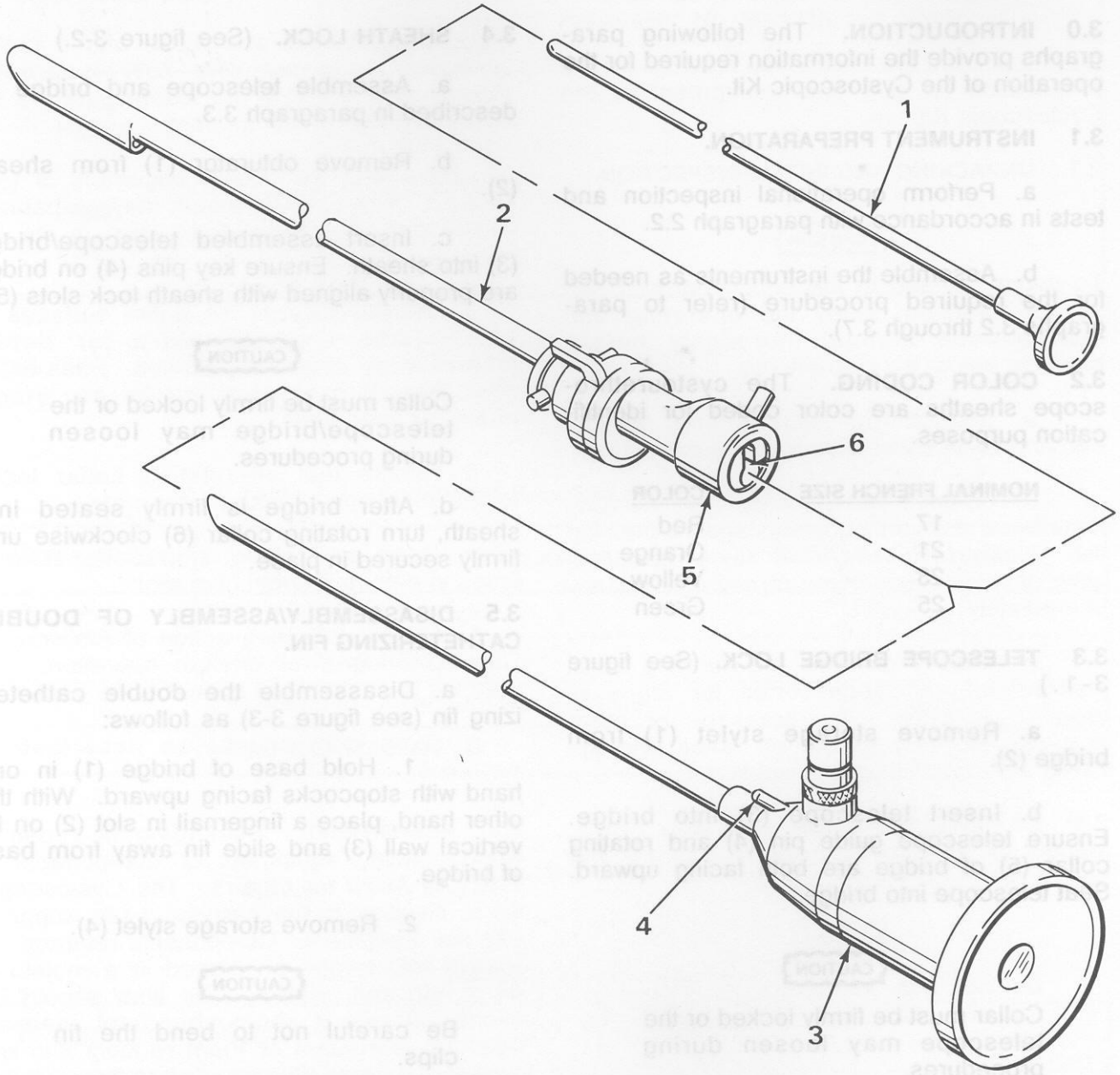


Figure 3-1. Telescope Bridge Lock

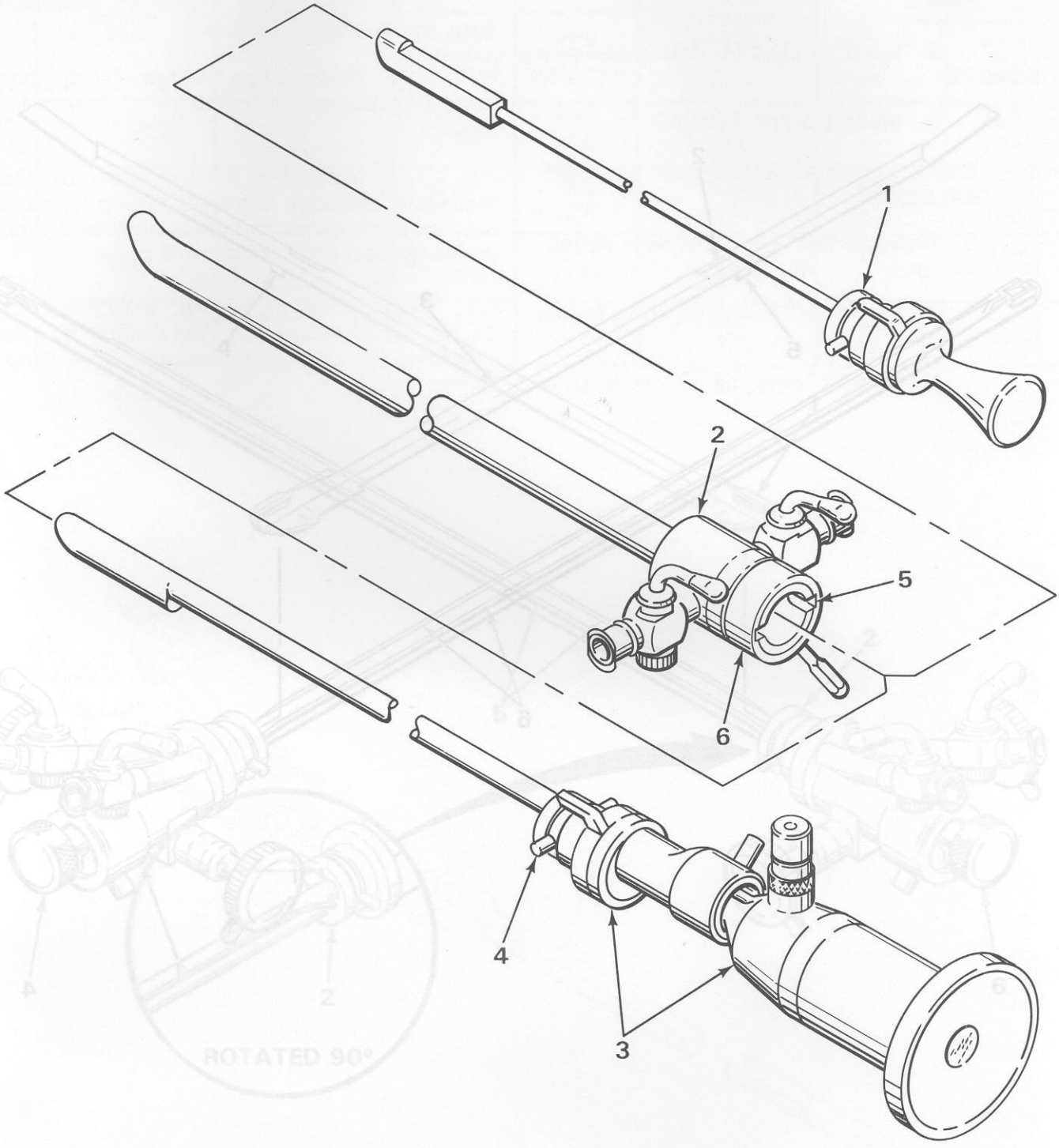


Figure 3-2. Sheath Lock

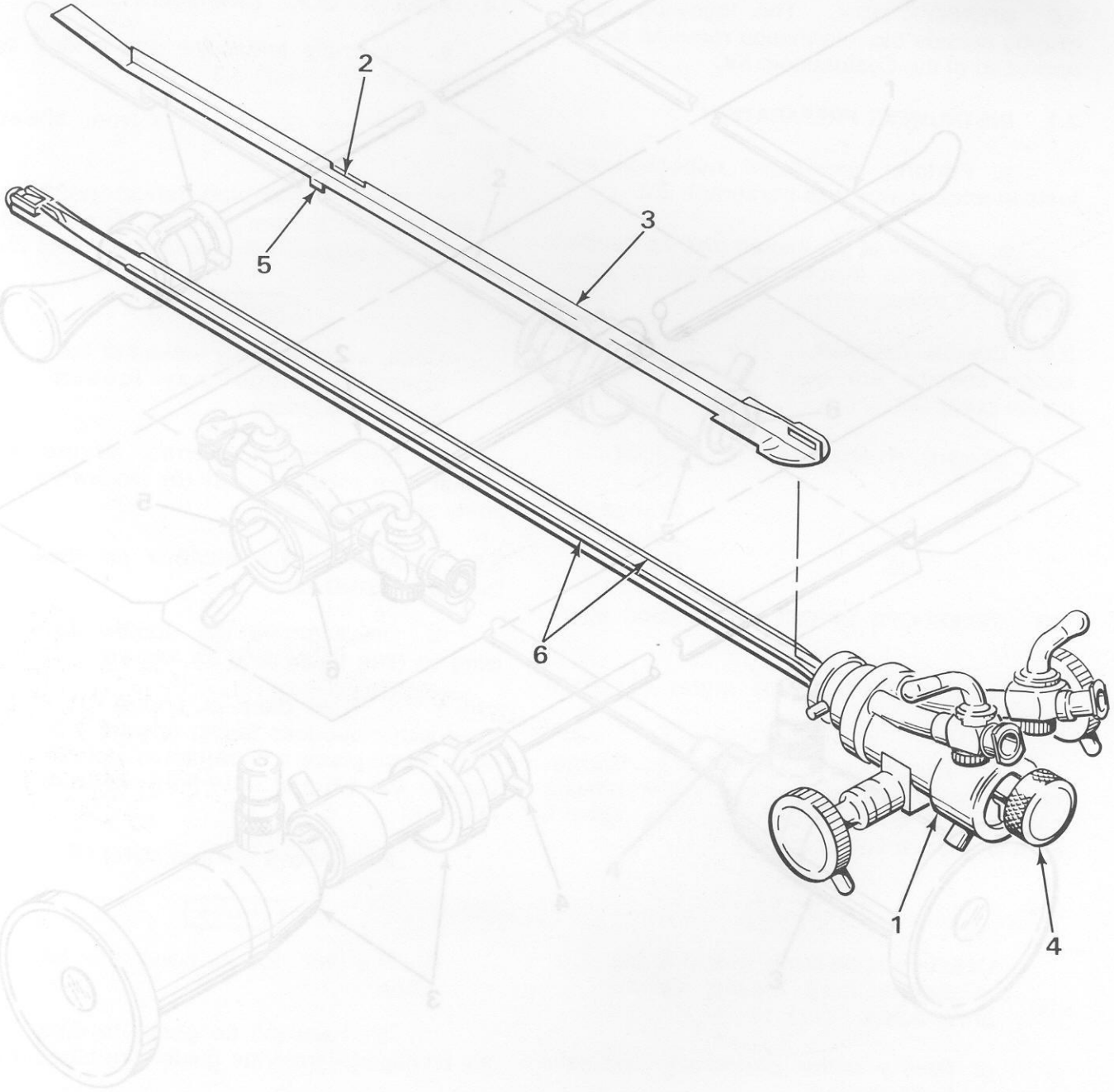


Figure 3-3. Disassembly of Double Catheterizing Fin

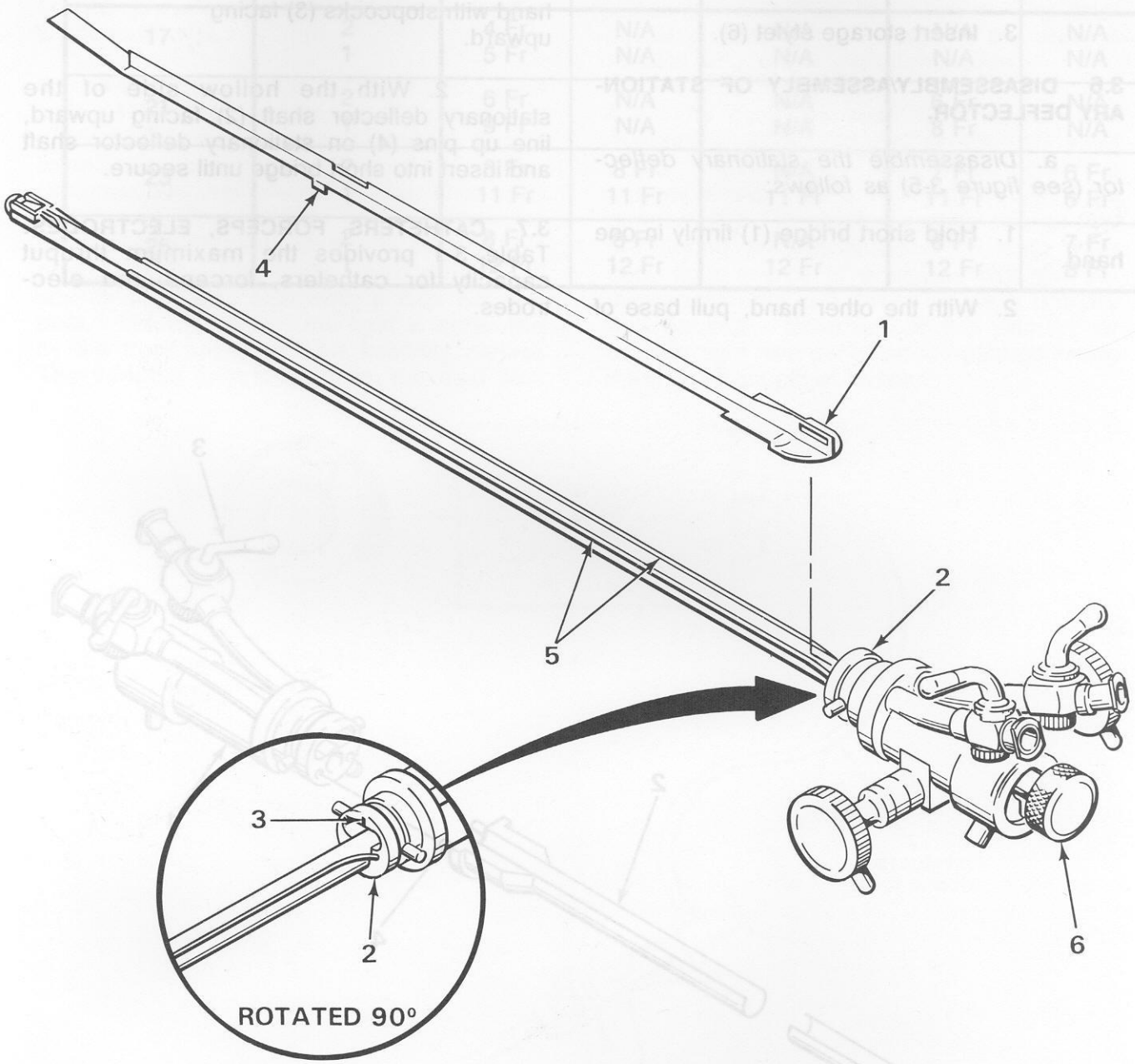


Figure 3-4. Assembly of Double Catheterizing Fin

CAUTION

Be careful not to bend the fin clips.

2. Snap fin clips (4) onto guide wire tubes (5).

3. Insert storage stylet (6).

3.6 DISASSEMBLY/ASSEMBLY OF STATIONARY DEFLECTOR.

a. *Disassemble the stationary deflector (see figure 3-5) as follows:*

1. Hold short bridge (1) firmly in one hand.

2. With the other hand, pull base of stationary deflector shaft (2) away from short bridge to disengage.

b. *Assemble the stationary deflector (see figure 3-5) as follows:*

1. Place short bridge (1) in one hand with stopcocks (3) facing upward.

2. With the hollow side of the stationary deflector shaft (2) facing upward, line up pins (4) on stationary deflector shaft and insert into short bridge until secure.

3.7 CATHETERS, FORCEPS, ELECTRODES. Table 3-1 provides the maximum thruput capacity for catheters, forceps and electrodes.

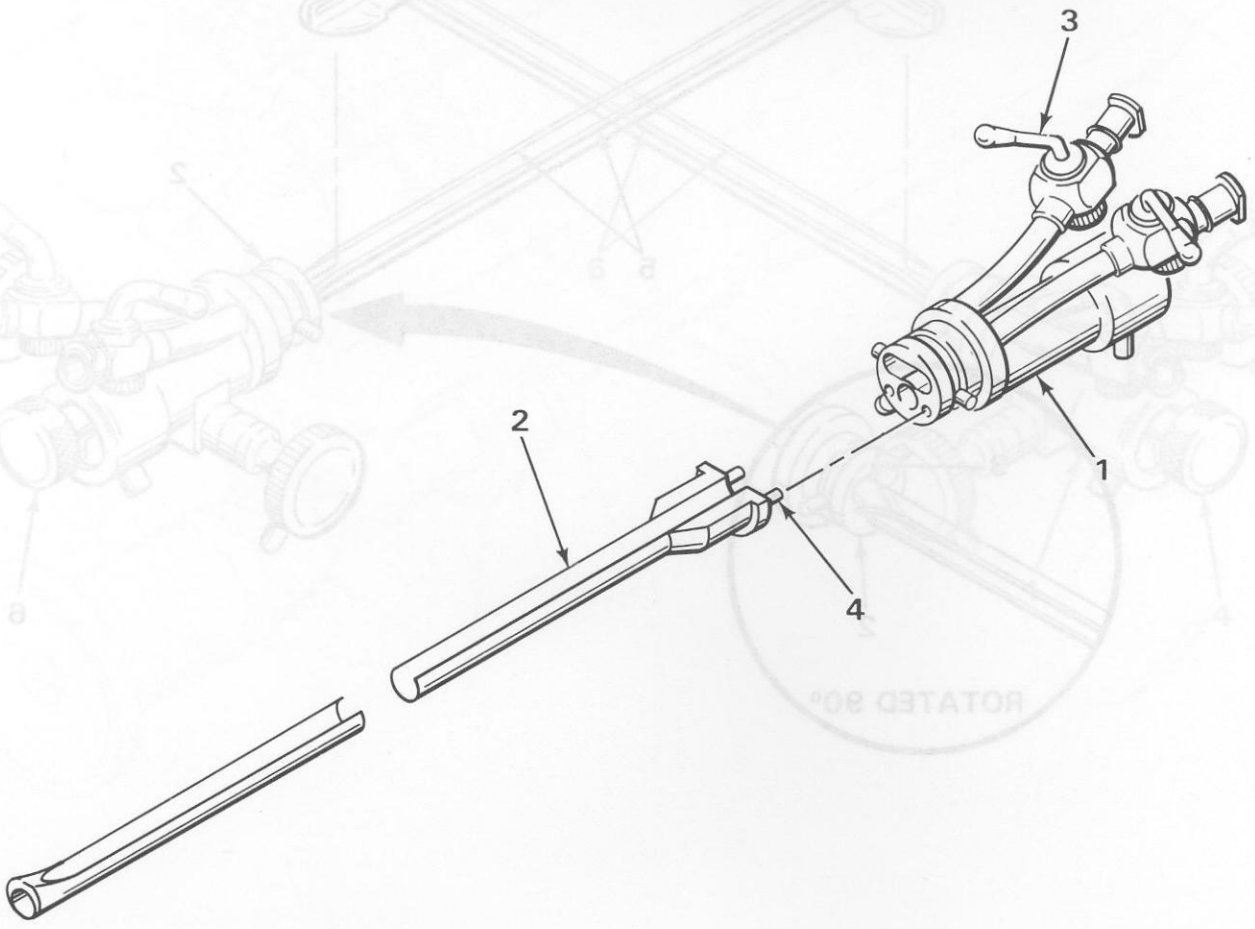


Figure 3-5. Stationary Deflector

Table 3-1. Catheter Capacity of CIRCON ACMI Cystourethroscopes

SHEATH SIZE	CATHETER NUMBER	SHORT BRIDGE		OPERATING BRIDGE	CATHETERIZING BRIDGE	
		WITHOUT STATIONARY DEFLECTOR	WITH STATIONARY DEFLECTOR		WITHOUT DC FIN	WITH DC FIN
17	2	4 Fr	N/A	N/A	N/A	N/A
	1	5 Fr	N/A	N/A	N/A	N/A
21	2	6 Fr	N/A	N/A	6 Fr	N/A
	1	9 Fr	N/A	N/A	8 Fr	N/A
23	2	8 Fr	8 Fr	N/A	7 Fr	6 Fr
	1	11 Fr	11 Fr	11 Fr	11 Fr	6 Fr
25	2	8 Fr	8 Fr	N/A	8 Fr	7 Fr
	1	12 Fr	12 Fr	12 Fr	12 Fr	8 Fr

SECTION 4
THEORY OF OPERATION

4.0 INTRODUCTION. The following paragraphs provide theory of operation for the Cystoscopic Kit.

4.1 BLOCK DIAGRAM DISCUSSION. (See figure 4-1.) The Cystoscopic Kit consists of a thirty degree telescope, a seventy degree telescope, a full complement of cystourethroscope instruments, a dual fiber optic light source, and two fiber optic light bundles used for performing standard cystoscopic procedures. The dual fiber optic light source produces light from a high intensity bulb. The intensity of the light is controlled by the front panel variable intensity control. The variable light beam from the dual fiber optic light source is coupled to the selected telescope via a fiber optic cable. The telescope directs the light beam to the area of interest for cystoscopic examination.

4.2 The dual fiber optic light source can operate on either 115VAC or 230VAC input power. Selection of the input power is accomplished via the 115VAC/230VAC front panel switch. In case of a light source failure during an examination, the dual fiber optic light source is equipped with two independant lamp and drive circuits; a primary and backup. Selection of the primary or backup light source is accomplished using the L1/L2 front panel switch.

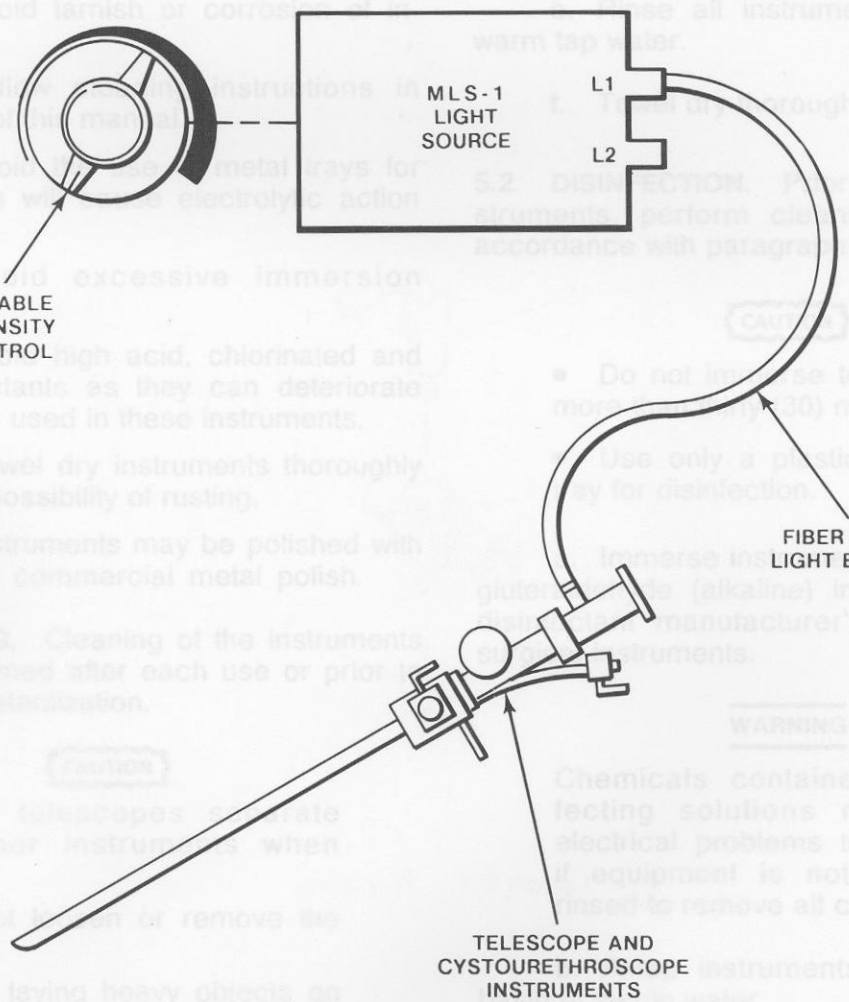


Figure 4-1. Cystoscopic Kit Block Diagram

SECTION 5
MAINTENANCE

5.0 INTRODUCTION. All components in the Cystoscopic Kit are precision instruments and should be handled with care.

a. Avoid handling more than one instrument at a time, or placing instruments on top of one another.

b. Avoid excessive bending of instruments, especially visual obturators and Albarran bridges.

c. Do not loosen or remove eyepiece from telescope. Seal will be broken causing leakage and damage.

d. To avoid tarnish or corrosion of instruments:

1. Follow cleaning instructions in paragraph 5.1 of this manual.

2. Avoid the use of metal trays for soaking as this will cause electrolytic action and staining.

3. Avoid excessive immersion times.

4. Avoid high acid, chlorinated and phenol disinfectants as they can deteriorate some materials used in these instruments.

5. Towel dry instruments thoroughly to prevent the possibility of rusting.

6. Instruments may be polished with a non-abrasive commercial metal polish.

5.1 CLEANING. Cleaning of the instruments shall be performed after each use or prior to disinfecting or sterilization.

CAUTION

- Keep telescopes separate from other instruments when cleaning.
- Do not loosen or remove the eyepiece.
- Avoid laying heavy objects on the telescope.
- Avoid dropping the telescope.

a. Disassemble instruments.

b. Soak all instruments throughly in a solution of protein bound soap and warm tap water. Do not use hot water. Hot water will coagulate organic materials.

c. Place stopcocks in open position. Use a soft brush to loosen and remove dried debris.

d. Scrub sheaths, bridges and obturators with a soft brush. Use care when cleaning catheter guides and the lumen of the sheaths.

e. Rinse all instruments thoroughly in warm tap water.

f. Towel dry thoroughly.

5.2 DISINFECTION. Prior to disinfecting instruments, perform cleaning procedure in accordance with paragraph 5.1 of this manual.

CAUTION

- Do not immerse telescope for more than thirty (30) minutes.
- Use only a plastic or enamel tray for disinfection.

a. Immerse instruments in 2% activated gluteraldehyde (alkaline) in accordance with disinfectant manufacturer's instructions for surgical instruments.

WARNING

Chemicals contained in disinfecting solutions may cause electrical problems to equipment if equipment is not thoroughly rinsed to remove all chemicals.

b. Rinse instruments thoroughly in a basin of sterile water.

c. Towel dry thoroughly.

5.3 STERILIZATION. Prior to sterilizing instruments, perform cleaning and disinfection procedures in accordance with paragraphs 5.1 and 5.2.

a. *Ethylene oxide sterilizer.*

1. All instruments of the Cystoscopic Kit may be placed in an ethylene oxide sterilizer in accordance with the sterilizer manufacturer's instructions.

2. After ethylene oxide exposure, aerate the instruments in accordance with sterilizer manufacturer's instructions for surgical instruments.

b. *Steam Autoclave.* All instruments of the Cystoscopic Kit, except the telescopes, may be placed in a steam autoclave whose parameters do not exceed the followng:

Temperature: 275 degrees F (maximum)
Time: 20 minutes (maximum)

5.4 STOPCOCK MAINTENANCE. Disassemble and reassemble the stopcock (see figure 5-1) as described in the following steps.

CAUTION

Avoid scratching tapered surfaces.

a. Remove knob assembly (1) at base of stopcock.

b. Remove handle and stem assembly (2) from stopcock body (3).

c. Clean all instruments with a cotton applicator saturated with 70% isopropyl alcohol.

d. Insert handle and stem assembly into stopcock body.

e. Attach knob assembly and tighten. Do not force or overtighten.

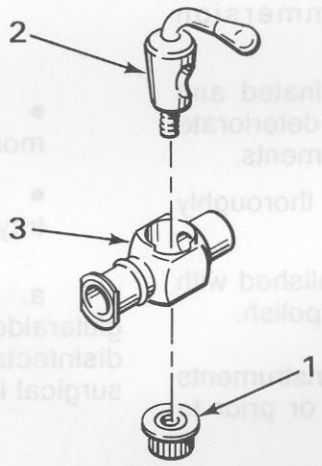


Figure 5-1. Stopcock

SECTION 6
STORAGE

6.0 INTRODUCTION. This section contains storage instructions for the Cystoscopic Kit.

6.1 STORAGE INSTRUCTIONS. When not in use, store cystourethroscope instruments in a clean, dry cabinet. Keep instruments separate from one another to prevent nicking and scratching of finish.

6.2 For long term storage or transportation of the equipment, place all instruments into the original shipping carton.

SECTION 7
MAINTENANCE PARTS LIST

7.0 INTRODUCTION. This maintenance parts list (MPL) lists, describes, and illustrates the parts of the Cystoscopic Kit, part number MILGUDI-1, manufactured by CIRCON ACMI, Stamford, CT. This MPL is intended for use in identifying and requisitioning parts.

7.1 MAINTENANCE PARTS LIST. The MPL consists of a breakdown of the complete Cystoscopic Kit into its major replaceable subassemblies and detail parts. The MPL is a five column format as follows:

a. ***Figure/Index.*** This column provides the figure and index numbers used to key a part or assembly listed in the MPL to its location in the associated illustrations.

b. ***Part Number.*** This column provides the part number for only those parts recommended for maintenance of the Cystoscopic Kit. The listed part numbers consist of a contractor part number, a vendor part number, or a government standard part number.

c. ***Federal Supply Code for Manufacturers (FSCM).*** This column provides the FSCM on the same line as the applicable part number. Codes, names, and addresses of vendors with assigned FSCM are listed in Cataloging Handbooks H4-1, H4-2 and H4-3.

d. ***Description.*** This column lists the item nomenclature plus those modifiers necessary to identify the item.

e. ***Quantity.*** This column lists the number of units required per assembly or subassembly. Where items have been previously listed, the letters "REF" are used.

Table 7-1. Cystoscopic Kit Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
1 –	MILGUDI-1	02033	CYSTOSCOPIC KIT	1
– 1	ACM-90	02033	CARRYING CASE ASSEMBLY	1
– 2	G91	02033	AUTOCLAVABLE LIGHT CARRIER BUNDLE	1
– 3	G117	02033	SHEATH AND OBTURATOR ASSEMBLY 17 FR (RED)	1
– 4	G121	02033	SHEATH AND OBTURATOR ASSEMBLY 21 FR (ORANGE)	1
– 5	G123	02033	SHEATH AND OBTURATOR ASSEMBLY 23 FR (YELLOW)	1
– 6	G125	02033	SHEATH AND OBTURATOR ASSEMBLY 25 FR (GREEN)	1
– 7	G151	02033	DOUBLE CATHETERIZING ALBARRAN BRIDGE ASSEMBLY 20 - 21 FR (ORANGE)	1
– 8	G152	02033	DOUBLE CATHETERIZING ALBARRAN BRIDGE ASSEMBLY 22 - 25 FR (YELLOW/GREEN)	1
– 9	G153	02033	SHORT BRIDGE ASSEMBLY (FOR 17 - 25 FR SHEATHS)	1
– 10	G154	02033	EXAMINING BRIDGE ASSEMBLY (FOR 17 - 25 FR SHEATHS)	1
– 11	G155	02033	OPERATING ALBARRAN BRIDGE ASSEMBLY (FOR 22 - 25 FR SHEATHS)	1
– 12	G161	02033	VISUAL OBTURATOR 21 FR (ORANGE)	1
– 13	G163	02033	VISUAL OBTURATOR 23 FR (YELLOW)	1
– 14	G164	02033	STATIONARY DEFLECTOR ASSEMBLY	1
– 15	G165	02033	VISUAL OBTURATOR 25 FR (GREEN)	1
– 16	FO-8168M	02033	FOROBLIQUE TELESCOPE ASSEMBLY (THIRTY-DEGREE ANGLE OF VIEW)	2
– 17	FO-8168L	02033	LATERAL TELESCOPE ASSEMBLY (SEVENTY-DEGREE ANGLE OF VIEW)	2
– 18	MLS-1	02033	MLS-1 LIGHT SOURCE	1
– 19	EJA	88204	150W, 21V LAMP (SPARE)	6
– 20	MILGUDI-2	02033	UROLOGICAL ACCESSORIES KIT CONSISTING OF:	1
	90L	02033	ACMI CYSTOSCOPE TIPS	24
	75U	02033	STOP COCK	4
	G925	02033	SILICONE LUBRICANT	2

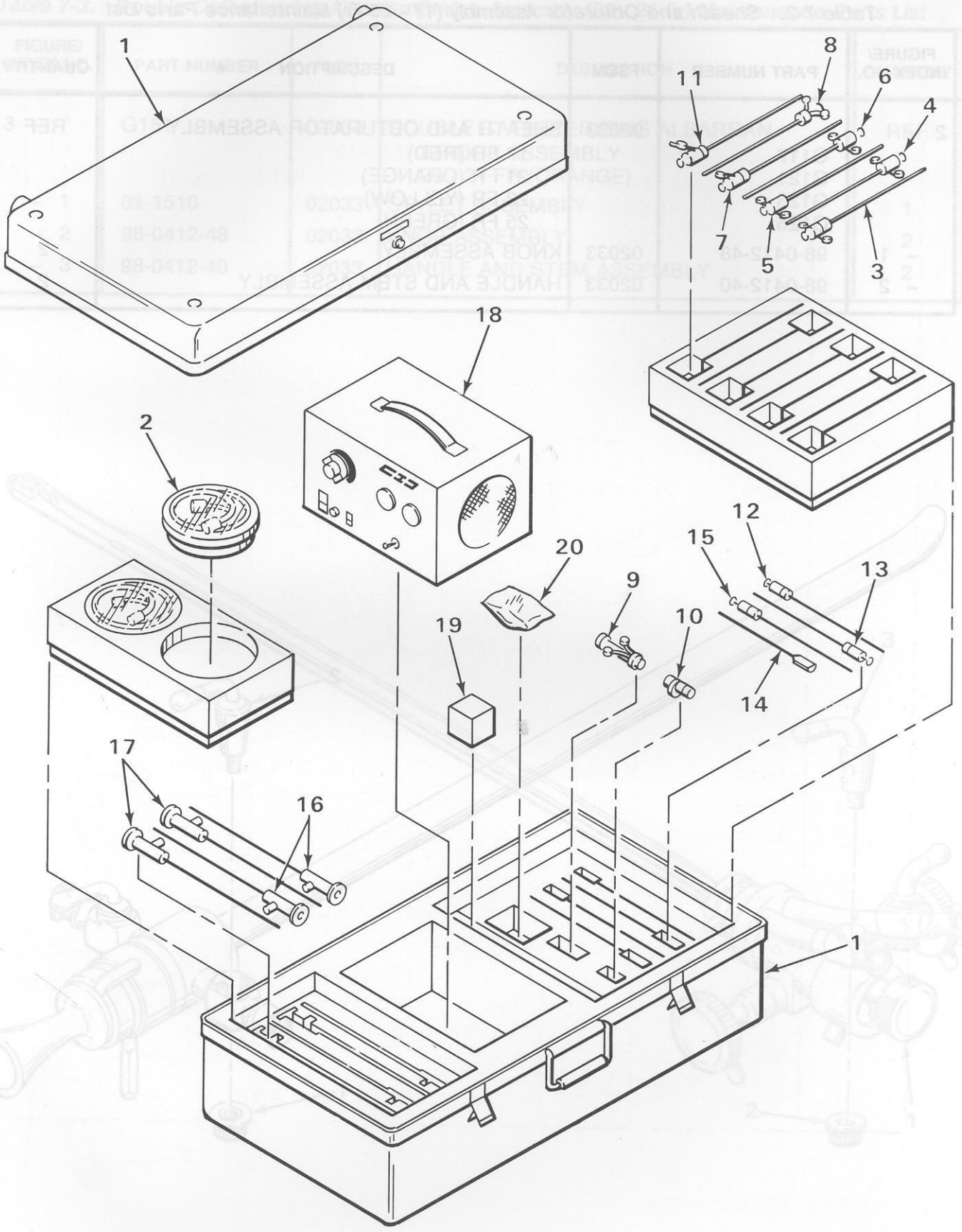


Figure 7-1. Cystoscopic Kit

Table 7-2. Sheath and Obturator Assembly (17 - 25 Fr) Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
2 –		02033	SHEATH AND OBTURATOR ASSEMBLY	REF
	G117		17 FR (RED)	
	G121		21 FR (ORANGE)	
	G123		23 FR (YELLOW)	
	G125		25 FR (GREEN)	
– 1	98-0412-48	02033	KNOB ASSEMBLY	2
– 2	98-0412-40	02033	HANDLE AND STEM ASSEMBLY	2

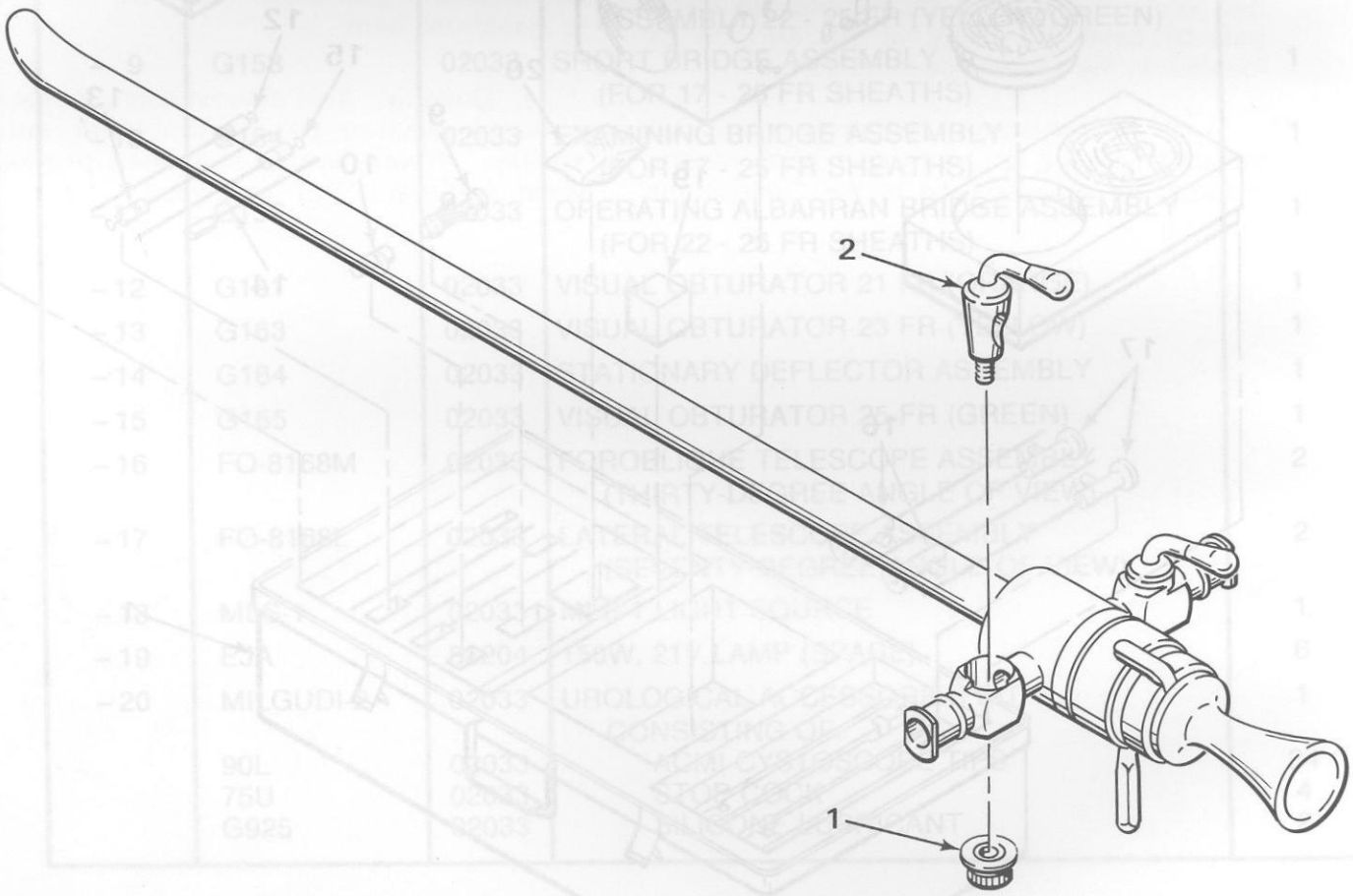


Figure 7-2. Sheath and Obturator Assembly, 17 - 25 Fr

Table 7-3. Double Catheterizing Albarran Bridge Assembly (20 - 21 Fr) Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
3 –	G151	02033	DOUBLE CATHETERIZING ALBARRAN BRIDGE ASSEMBLY 20 - 21 FR (ORANGE)	REF
– 1	01-1510	02033	STYLET ASSEMBLY	1
– 2	98-0412-48	02033	KNOB ASSEMBLY	2
– 3	98-0412-40	02033	HANDLE AND STEM ASSEMBLY	2

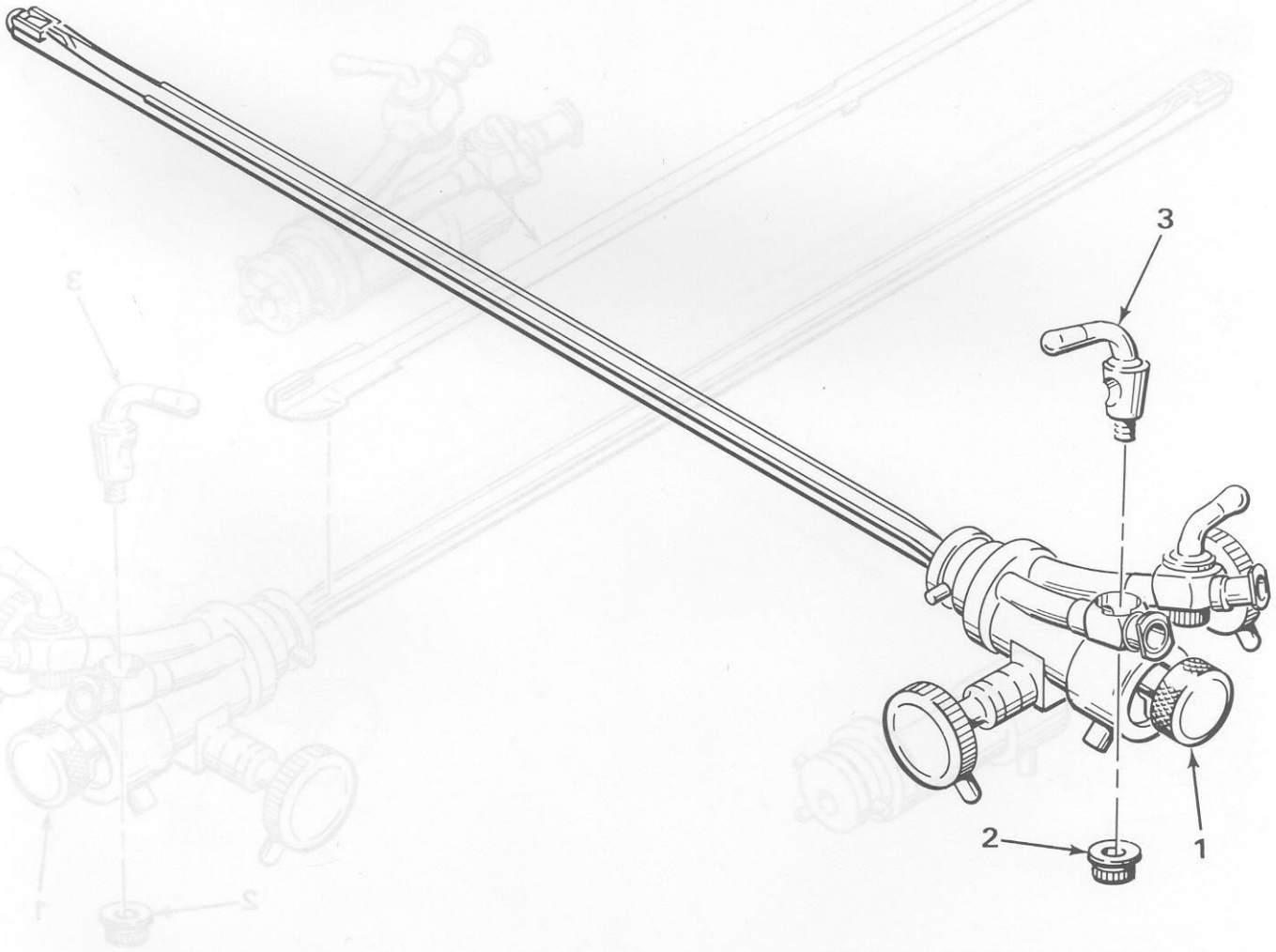


Figure 7-3. Double Catheterizing Albarran Bridge Assembly (20 - 21 Fr)

Table 7-4. Double Catheterizing Albarran Bridge Assembly (22 - 25 Fr) Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
4 –	G152	02033	DOUBLE CATHETERIZING ALBARRAN BRIDGE ASSEMBLY 22 - 25 FR (YELLOW/GREEN)	REF
– 1	01-1510	02033	STYLET ASSEMBLY	1
– 2	98-0412-48	02033	KNOB ASSEMBLY	2
– 3	98-0412-40	02033	HANDLE AND STEM ASSEMBLY	2

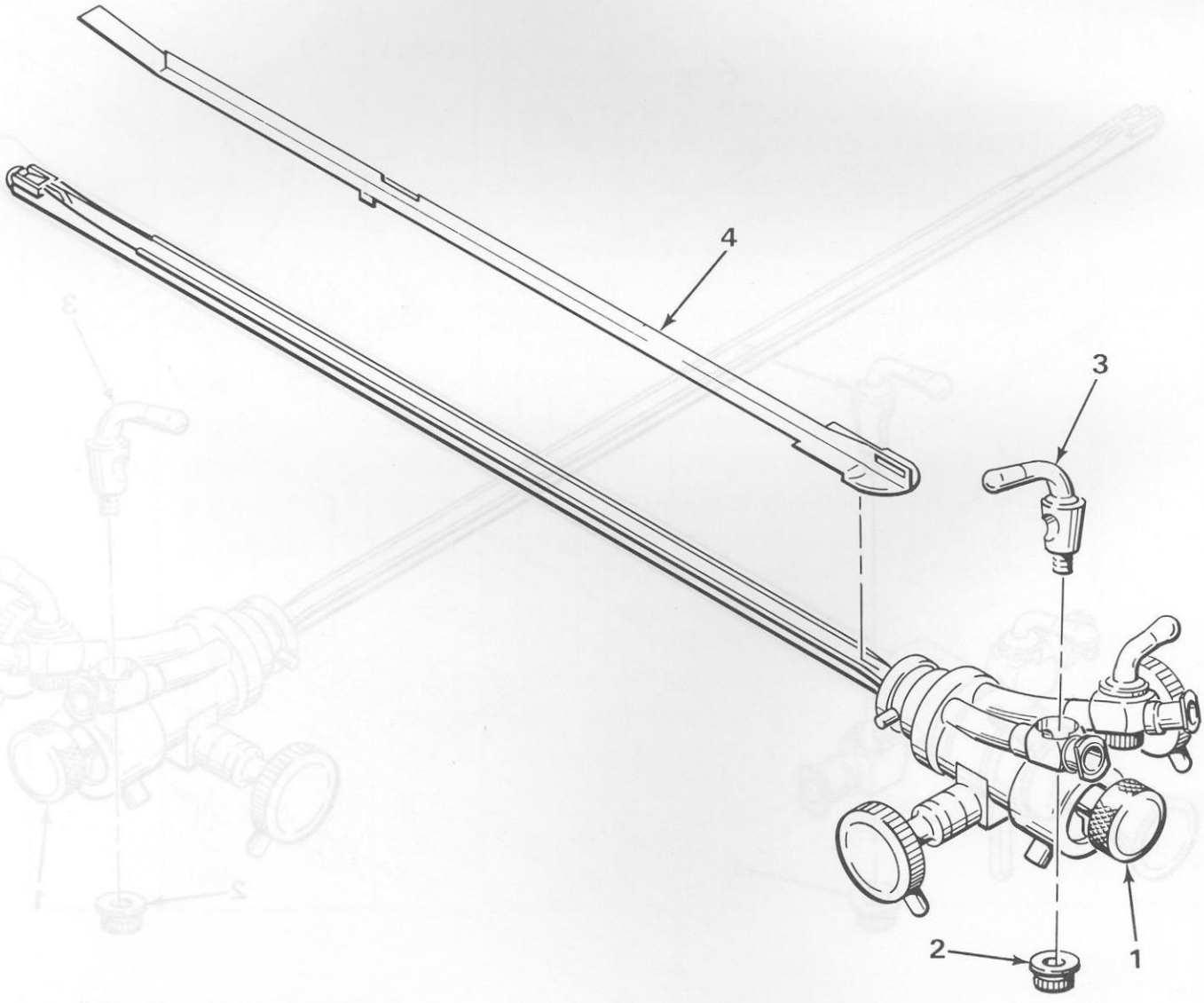
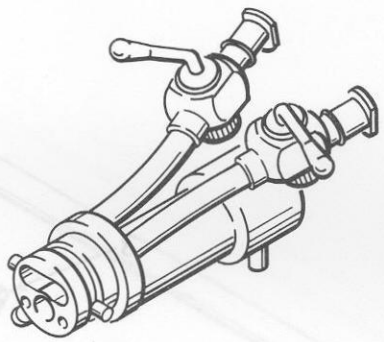


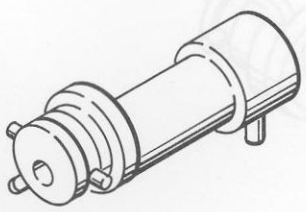
Figure 7-4. Double Catheterizing Albarran Bridge Assembly (22 - 25 Fr)

Table 7-5. Short Bridge and Examining Bridge Assemblies Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
5 –	G153	02033	SHORT BRIDGE ASSEMBLY (FOR 17-25 FR SHEATHS)	REF
	G154	02033	EXAMINING BRIDGE ASSEMBLY (FOR 17-25 FR SHEATHS)	REF
– 1	98-0412-48	02033	KNOB ASSEMBLY	2
– 2	98-0412-40	02033	HANDLE AND STEM ASSEMBLY	2

SHORT BRIDGE ASSEMBLY





EXAMINING BRIDGE ASSEMBLY

Figure 7-5. Short Bridge and Examining Bridge Assemblies

Table 7-6. Operating Albarran Bridge Assembly Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
6 –	G155	02033	OPERATING ALBARRAN BRIDGE ASSEMBLY	REF
– 1	01-1510	02033	STYLET ASSEMBLY	1
– 2	98-0412-48	02033	KNOB ASSEMBLY	1
– 3	98-0412-40	02033	HANDLE AND STEM ASSEMBLY	1

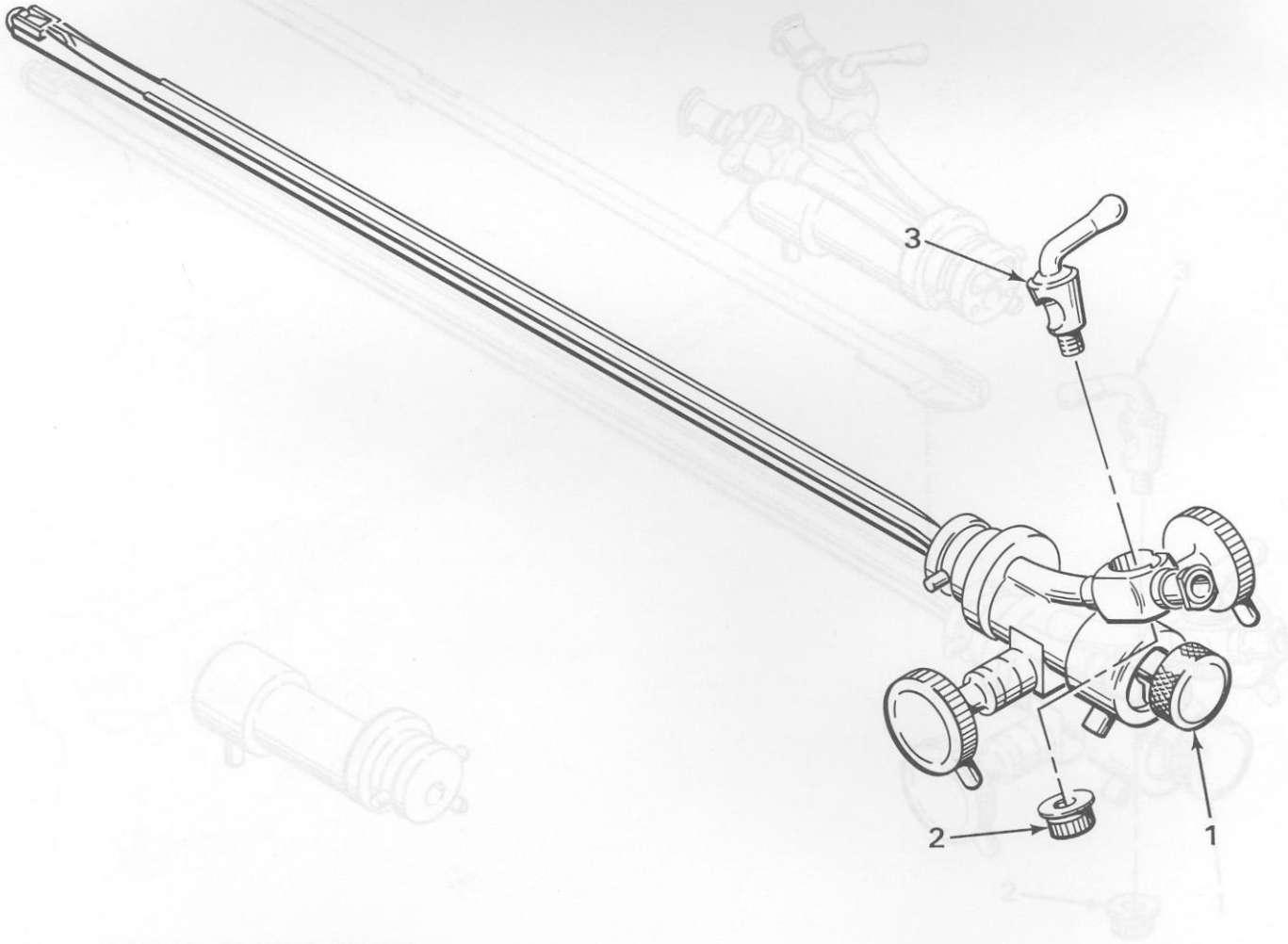


Figure 7-6. Operating Albarran Bridge Assembly

Table 7-7. Visual Obturator (21, 23, and 25 Fr) Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
7 –		02033	SHEATH AND OBTURATOR ASSEMBLY	REF
	G161		21 FR (ORANGE)	
	G163		23 FR (YELLOW)	
	G165		25 FR (GREEN)	
– 1	01-1510-1	02033	STYLET ASSEMBLY	1

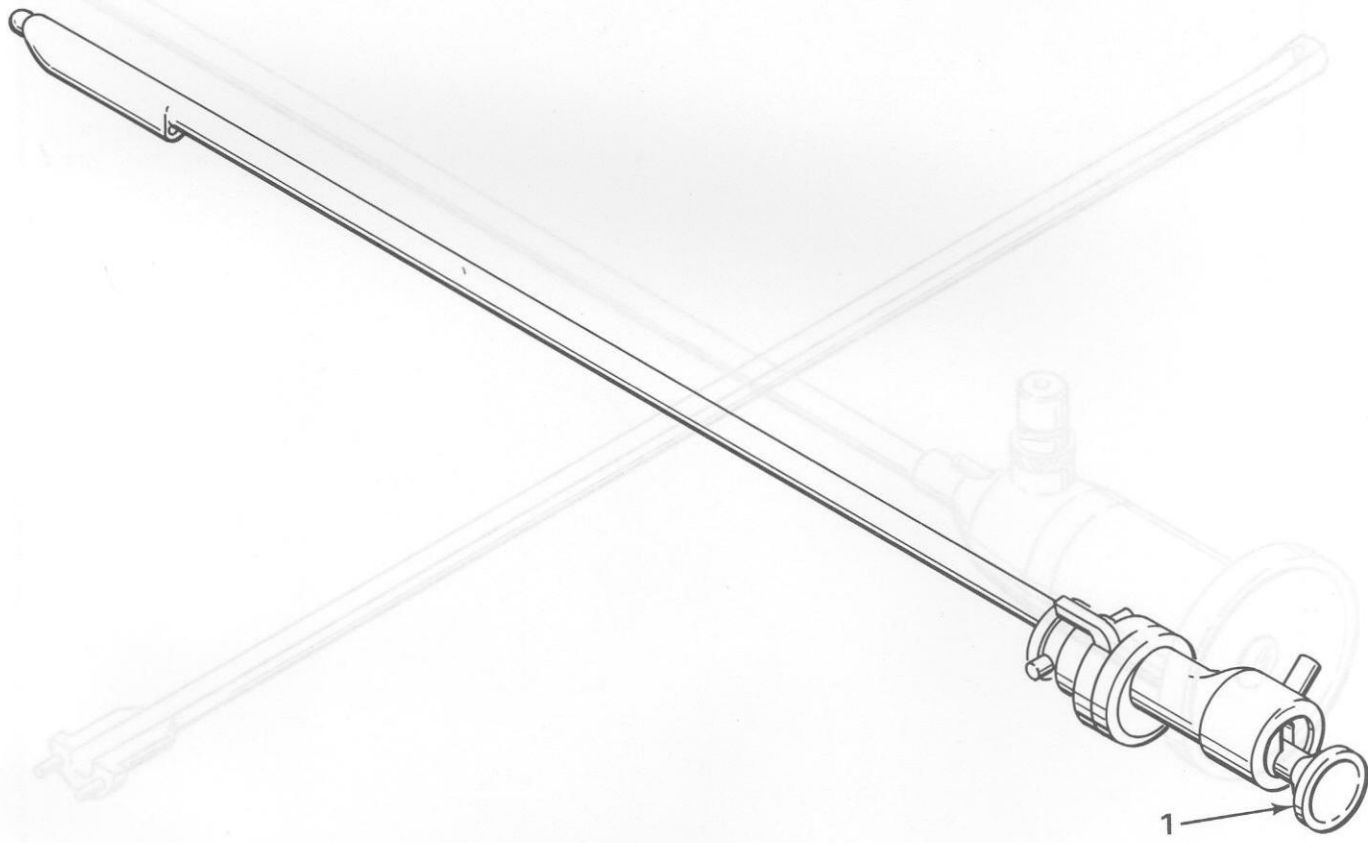


Figure 7-7. Visual Obturator (21, 23, and 25 Fr)

Table 7-8. Stationary Deflector Assembly Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
8 –	G164	02033	STATIONARY DEFLECTOR ASSEMBLY	REF

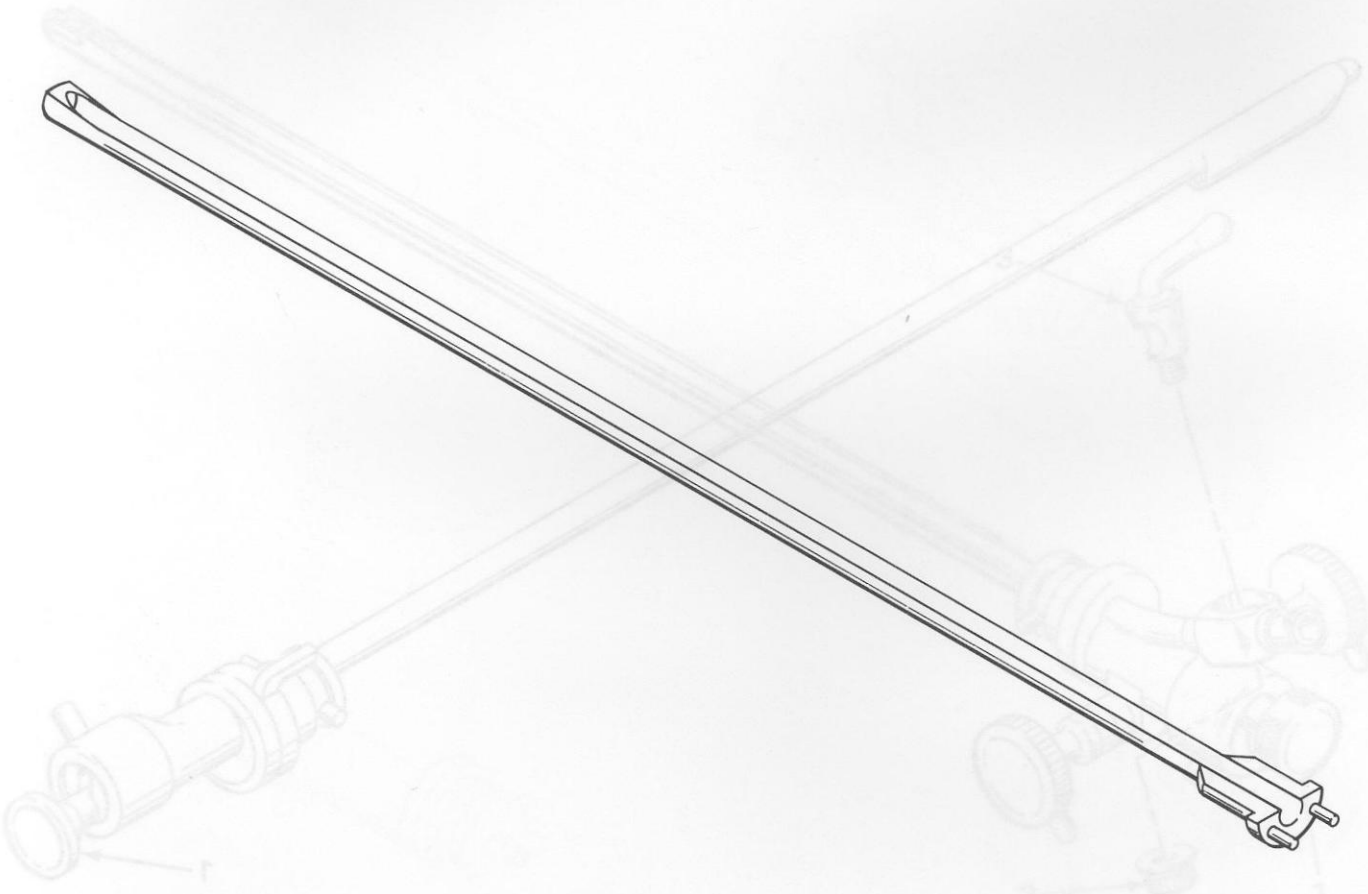


Figure 7-8. Stationary Deflector Assembly

Table 7-9. Foroblique and Lateral Telescopes Maintenance Parts List

FIGURE/ INDEX NO.	PART NUMBER	FSCM	DESCRIPTION	QUANTITY
9 –	FO-8168M	02033	FOROBLIQUE TELESCOPE (THIRTY-DEGREE ANGLE OF VIEW)	REF
	FO-8168L	02033	LATERAL TELESCOPE (SEVENTY-DEGREE ANGLE OF VIEW)	REF

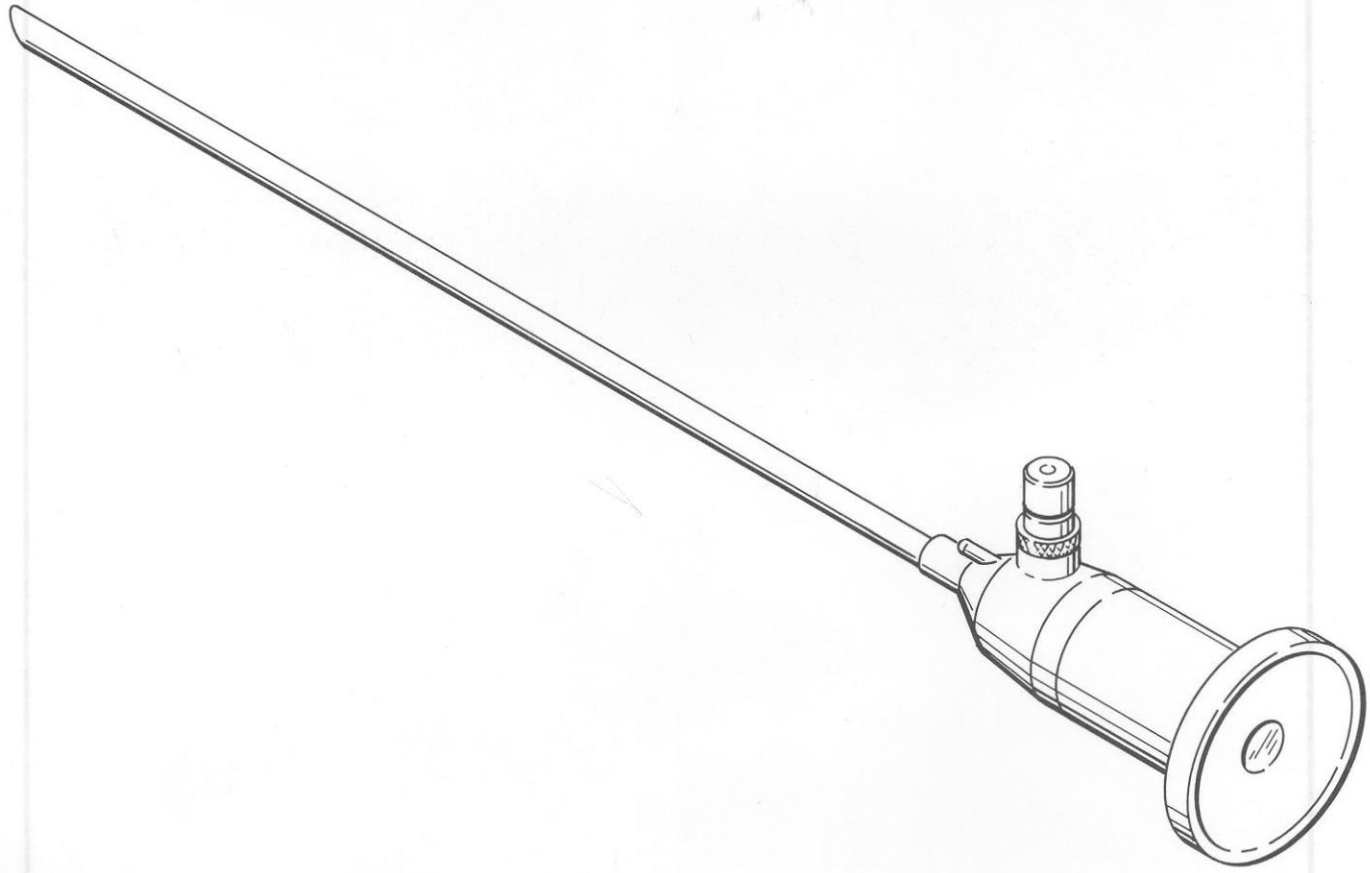


Figure 7-9. Foroblique and Lateral Telescopes

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